



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: October 16, 1984

TO: DWPC/FOS & RU

FROM: Steve Baldwin, DWPC/FOS, Region 4 *SB*

SUBJECT: DEWITT COUNTY - ~~Revere Copper & Brass, Inc.~~
Reconnaissance/Sampling Visit
IL0002356

EPA Region 5 Records Ctr.



315344

I visited the subject facility on the above date for the purpose of conducting a CEI; however, Tony Taubert was not available, thus a comprehensive inspection was not possible. Mr. Ron Lea, Lab. Technician, was contacted and he accompanied me during the inspection. When I arrived at the plant at approximately 9:30 a.m., the weather was overcast, temperature in low-mid 60's. Observations, activities, etc. follow:

9:30 a.m. (approximately) - Observed NPDES discharge 006. Except for a drip, there was no discharge.

9:45 a.m. - Collected sample from NPDES discharge 003 at point where it exited tile into ditch. I noted that the discharge was fairly clear in appearance; however, it did contain a small-moderate amount of tiny, rusty red colored suspended solids. It started to rain quite hard, so Lea and I went into the tube mill building to observe the waste treatment facility. Observations indicated that the treatment system was in full operation. The clarified effluent from the LAMELLA separator was clear in appearance.

10:40 a.m. - Stopped raining. Lea and I both collected samples from NPDES outfall 006 which had begun flowing (greater than 50 gpm, est.) due to rain. Discharge was moderately turbid, but had very little if any oil sheen.

10:50 a.m. - Collected sample of water as it exited from second pond at the old spillway (dam). Water exiting the pond was fairly clear; however, it did have a slight green color, possibly due to algae in the pond.

11:00 a.m. - Collected sample from NPDES outfall 002 at point where it exited tile into ditch. An observable oil sheen was present on the surface of the discharge.

11:15 a.m. - Drove around to the east side of the tube mill building and collected sample of water in creek. Water was fairly clear in appearance, but it had a slight septic, sewage type odor. Also, I observed presence of small amount of grey colored slime resembling sewage mold in creek at this location.

11:20 a.m. - Left the facility.

The following items are included with this report:

- 1) WWTF flow schematic.
- 2) Summary of Lab. Analyses for samples collected 10/16/84. Original Lab. sheets will be retained in Region 4 Files.
- 3) Sampling point location sketch for samples collected 10/16/84.

SB:bh

cc: - DWPC/CAS, R. Cruse
- DWPC/Enforcement, John Pavlou

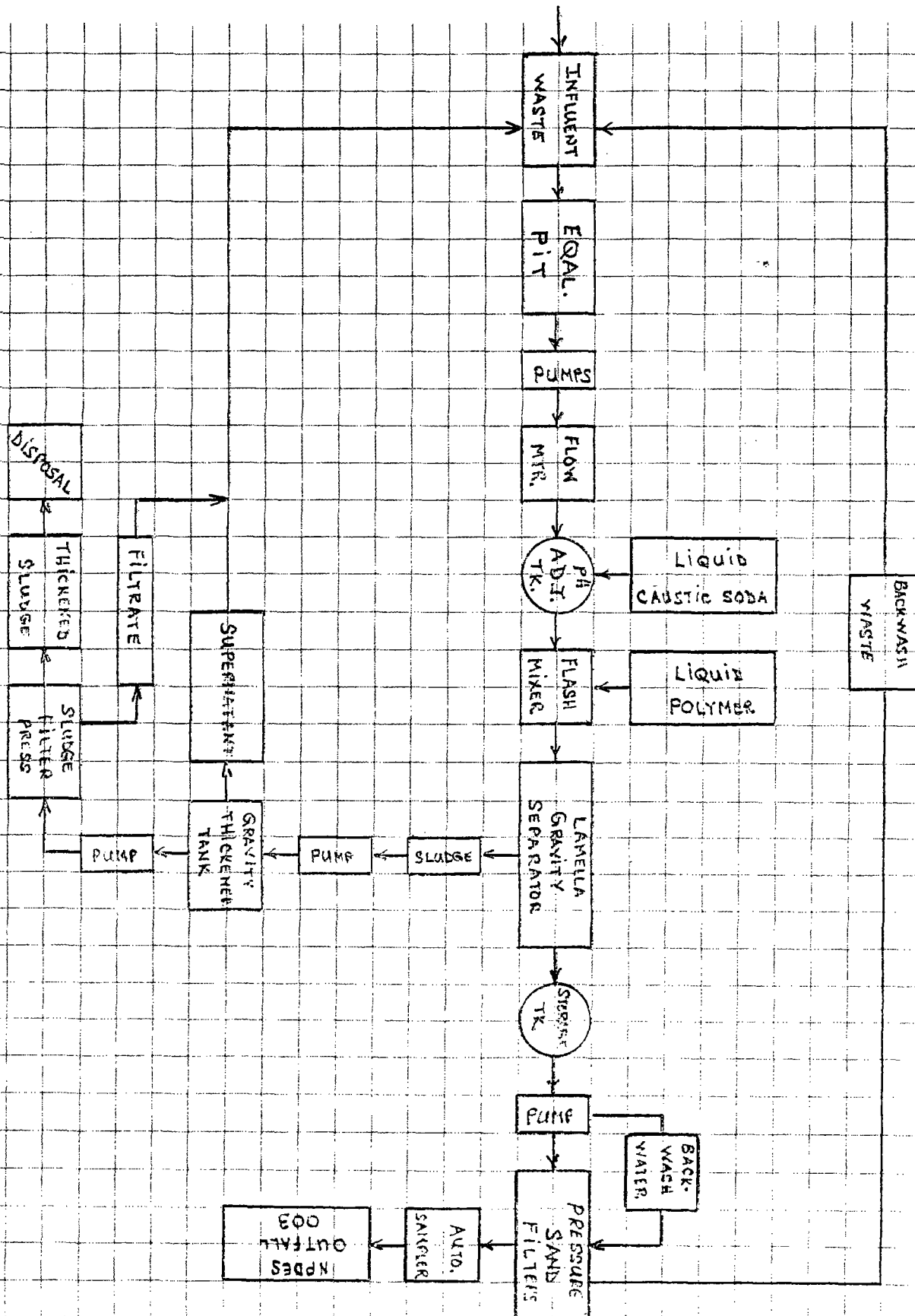
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

Subject DeWitt Co. - Revere Copper & Brass, Inc.

Data WWTF FLOW SCHEMATIC

Reviewed by S. Baldwin, DWPC/FDS, Region 4

Date 10/16/84



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

Subject DEWITT CO. - REVERE COPPER & BRASS, INC.

Data - Summary of Laboratory Analyses

Reviewed by S. Baldwin, DWPE/FCS, Region 4

Date of Collection 10/16/84

IL0002356

Note: Reported in mg/l unless otherwise stated.

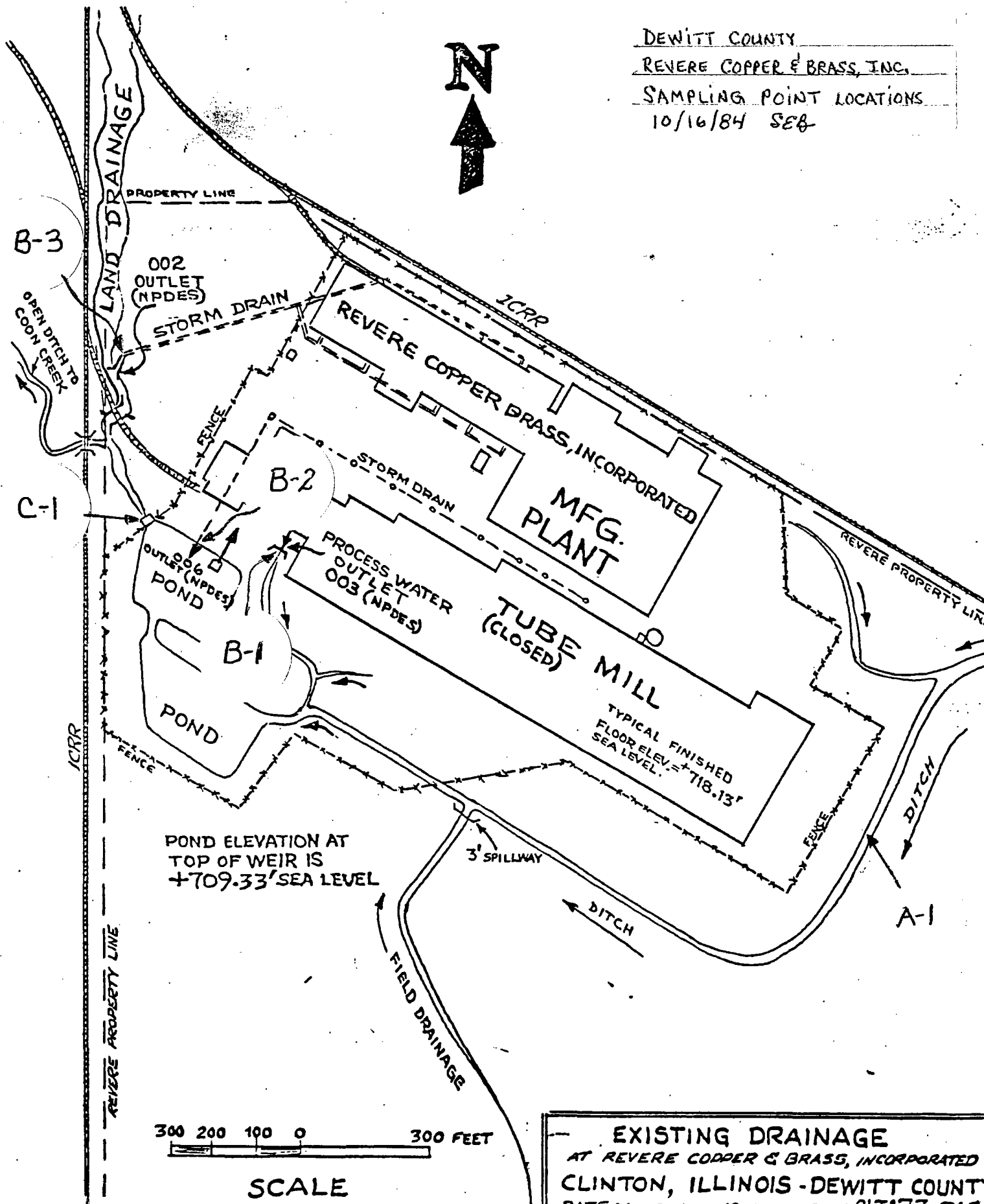
PARAMETER	A-1	B-1	B-2	B-3	C-1
LAB NUMBER	B015341	B015342	B015343	B015344	B015345
BOD ₅	10.0				
TS/EC					
T.S.S.		7.0	34.0	11.0	
pH (units)	8.1	9.0	7.4	7.8	9.3
Oil		1.0	2.0	4.0	
F. Coli.					
NH ₃ N					0.55
Phosphorus					1.0
Cyanide					
Phenol					
Arsenic					
Barium					
Cadmium	<0.005	<0.005			<0.005
Copper	0.07	0.30	2.0	5.6	0.31
Chromium (Tri)	<0.01	0.30			0.05
Chromium (Hex)					
Iron (Total)	0.24	1.1			0.44
Lead	<0.05	<0.05			<0.05
Manganese					
Mercury (PPB)					
Nickel	<0.02	0.11			<0.02
Selenium					
Silver			<0.005	<0.005	
Zinc	<0.05	0.05			0.08
Cl ₂ Residual (Field)					

DEWITT COUNTY

REVERE COPPER & BRASS, INC.

SAMPLING POINT LOCATIONS

10/16/84 SEB



POND ELEVATION AT
TOP OF WEIR IS
+709.33' SEA LEVEL

300 200 100 0 300 FEET

SCALE

EXISTING DRAINAGE
AT REVERE COPPER & BRASS, INCORPORATED
CLINTON, ILLINOIS - DEWITT COUNTY
DATE: MARCH 22 1976 DWG NO CLT173-R1S